

What is claimed is:

1 1. A key structure, comprising:
2 a key cap, having a top surface with a plurality of
3 top edges and a plurality of side surfaces
4 extending from the top edges, each side surface
5 having a bottom edge, the bottom edges forming
6 a bottom surface;
7 wherein the projection of the top edge on the bottom
8 surface and the bottom edge of the same side
9 surface form a first included angle.

1 2. The key structure as claimed in claim 1,
2 wherein the first included angle is less than 30° .

1 3. The key structure as claimed in claim 1,
2 wherein the top surface and the bottom surface of the key
3 cap have a similar geometric figure.

1 4. The key structure as claimed in claim 1,
2 wherein the top surface is a cambered surface.

1 5. A keyboard, comprising:
2 a main body;
3 a first key group, having a plurality of first keys
4 with a first key cap and a first connection
5 portion, the first keys movably connected to
6 the main body through the first connection
7 portions, each of the first key caps having a
8 first top surface with a plurality of first top
9 edges and a plurality of first side surfaces
10 extending from the first top edges, each of the

11 first side surfaces having a first bottom edge,
12 the first bottom edges forming a first bottom
13 surface; and
14 wherein the projection of each of the first top
15 edges is inclined clockwise to the first bottom
16 edge of the same first side surface by an
17 included angle.

1 6. The keyboard as claimed in claim 5, wherein the
2 first included angle is less than 30° .

1 7. The keyboard as claimed in claim 5, further
2 comprising:

3 a second key group, having a plurality of second
4 keys with a second key cap and a second
5 connection portion, the second keys movably
6 connected to the main body through the second
7 connection portions, each of the second key
8 caps having a second top surface with a
9 plurality of second top edges and a plurality
10 of second side surfaces extending from the
11 second top edges, each of the second side
12 surfaces having a second bottom edge, and the
13 second bottom edges forming a second bottom
14 surface; and
15 wherein the projection of each of the second top
16 edges is inclined counterclockwise to the
17 second bottom edge of the same second side
18 surface by the included angle.

1 8. The keyboard as claimed in claim 7, further
2 comprising:

3 a third key group, having a plurality of third keys
4 with a third key cap and a third connection
5 portion, the third keys movably connected to
6 the main body through the third connection
7 portions and disposed between the first key
8 group and the second key group, each of the
9 third key caps having a third top surface with
10 a plurality of third top edges and a plurality
11 of third side surfaces extending from the third
12 top edges, each of the third side surfaces
13 having a third bottom edge, and the third
14 bottom edges forming a third bottom surface;
15 and

16 wherein the projection of each of the third top
17 edges on the third bottom surface is parallel
18 to the third bottom edge of the same third side
19 surface.

1 9. The keyboard as claimed in claim 8, wherein the
2 first top surface and the first bottom surface, the
3 second top surface and the second bottom surface, and the
4 third top surface and the third bottom surface have
5 similar geometric figures.

1 10. The key structure as claimed in claim 5,
2 wherein the first top surface, the second top surface,
3 and the third top surface are cambered surfaces.

1 11. A keyboard, comprising:

2 a main body;
3 a first key group, having a plurality of first keys
4 with a first key cap and a first connection
5 portion, the first keys movably connected to
6 the main body through the first connection
7 portions along a predetermined line, each of
8 the first key caps having a first top surface
9 with a first symmetrical axis; and
10 wherein each of the first symmetrical axes is
11 inclined to the predetermined line by a first
12 acute angle.

1 12. The keyboard as claimed in claim 11, further
2 comprising:

3 a second key group, having a plurality of second
4 keys with a second key cap and a second
5 connection portion, the second keys movably
6 connected to the main body through the second
7 connection portions along the predetermined
8 line, each of the second key caps having a
9 second top surface with a second symmetrical
10 axes; and

11 wherein each of the second symmetrical axes is
12 inclined to the predetermined line by a second
13 acute angle.

1 13. The keyboard as claimed in claim 12, further
2 comprising:

3 a third key group, having a plurality of third keys
4 with a third key cap and a third connection
5 portion, the third keys movably connected to

6 the main body through the third connection
7 portions along the predetermined line and
8 disposed between the first key group and the
9 second key group; and
10 wherein each of the third symmetrical axis is
11 perpendicular to the predetermined line.

1 14. The keyboard as claimed in claim 12, wherein
2 the first acute angle and the second acute angle are
3 between 30° and 50° .

1 15. The key structure as claimed in claim 13,
2 wherein the first top surface, the second top surface,
3 and the third top surface are cambered surfaces.